

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P563861

Luminaire Tested: **LD4C50D010 EX4C509030 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P563861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C50D010 EX4C509030 4LBSQH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

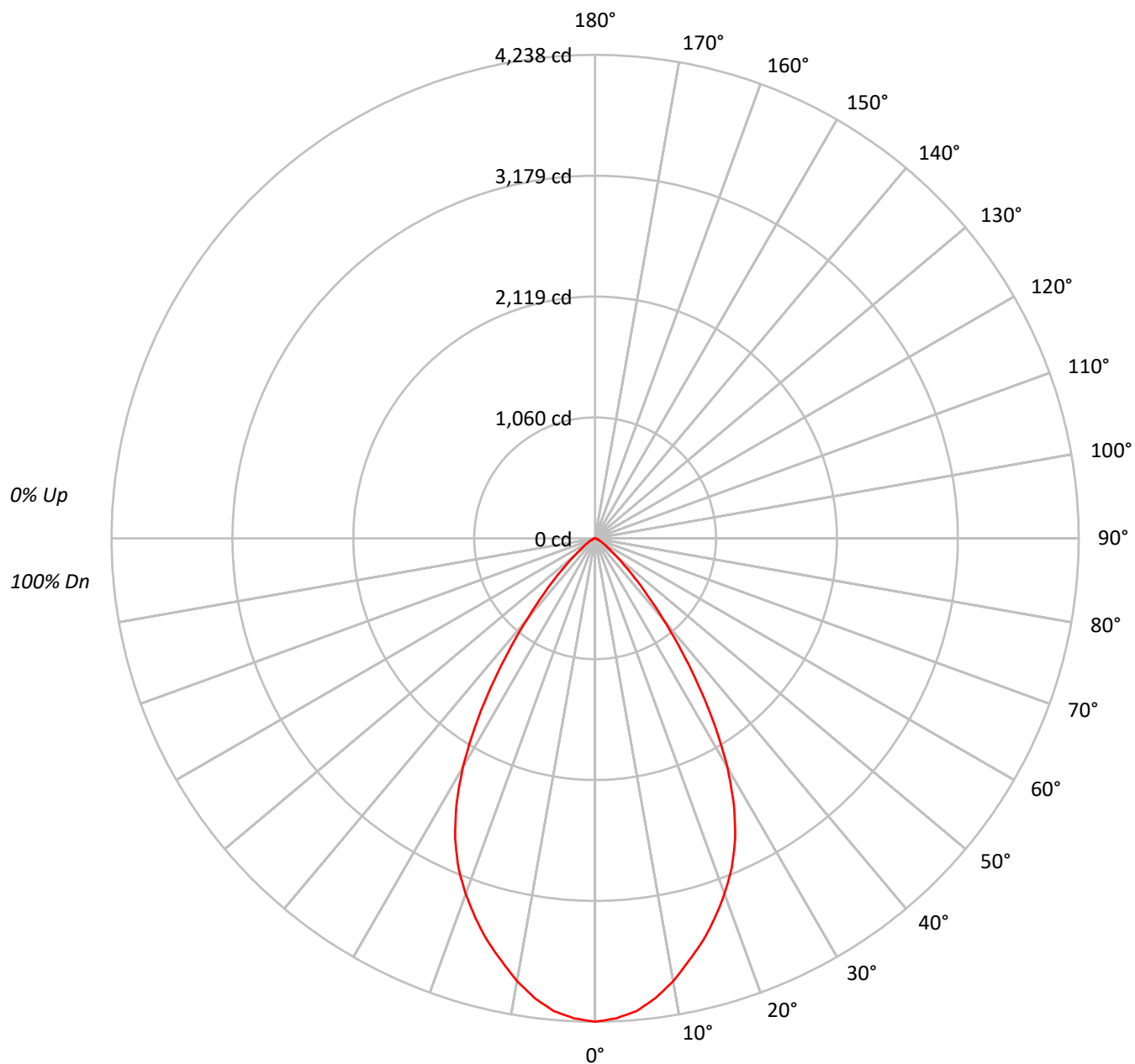
Lumens per Lamp: N/A
Luminaire Lumens: 4274.2 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	408939
5°	403005
10°	386158
15°	364728
20°	340461
25°	309054
30°	258039
35°	186923
40°	117014
45°	66891
50°	34871
55°	19548
60°	12447
65°	7352
70°	5445
75°	2386
80°	3556
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.0	9.1
10°-20°	1023.1	23.9
20°-30°	1314.9	30.8
30°-40°	989.2	23.1
40°-50°	397.3	9.3
50°-60°	112.9	2.6
60°-70°	35.7	0.8
70°-80°	10.1	0.2
80°-90°	0.9	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2727.9	63.8
0°-40°	3717.2	87.0
0°-60°	4227.4	98.9
0°-90°	4274.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4274.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4238	
5°	4161	390
15°	3651	1023
25°	2903	1315
35°	1587	989
45°	490	397
55°	116	113
65°	32	36
75°	6	10
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4238.2
2.5°	4212.4
5°	4160.8
7.5°	4063.9
10°	3941.3
12.5°	3793.2
15°	3651.2
17.5°	3489.9
20°	3315.7
22.5°	3128.8
25°	2902.9
27.5°	2631.9
30°	2316.0
32.5°	1961.0
35°	1586.9
37.5°	1238.4
40°	929.0
42.5°	683.8
45°	490.2
47.5°	335.6
50°	232.3
52.5°	161.3
55°	116.2
57.5°	83.9
60°	64.5
62.5°	45.2
65°	32.2
67.5°	25.8
70°	19.3
72.5°	12.9
75°	6.4
77.5°	6.4
80°	6.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)